

JBC TESE

Precision Hot Air Station

[Ask for a demo](#)

Search ▼



**Don't believe us?..
TRY IT!**



The TESE is a precision hot air Station capable of reworking small and medium SMDs. Watch video for examples.

The combination of the exclusive JBC hot air system with protectors, tripods and extractors ensures desoldering components easily and safely, concentrating the heat on the selected component as show:

Desoldering with TESE station

1. Placing

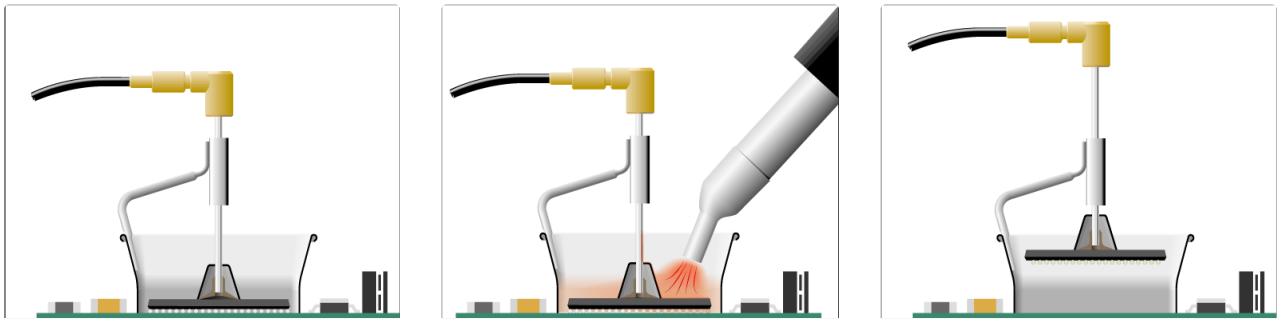
Choose the extractor, or protector and tripod, which best fits the component.

2. Heating

While you apply the heat to the component, the surrounding elements are protected

3. Extracting

Automatic withdrawal of the desoldered component.



Connecting an external thermocouple provides a high-precise close-loop control of the component/PCB during the rework process or can also be used to protect a component or a specific area of the PCB.

As all the JBC Stations, the TESE has a menu with more than 10 parameters to customise the control unit.

REFERENCES

With extractor desk:

- TESE-1A 100-120 V
- TESE-2A 230 V

PRODUCT COMPOSITION

- 1 Hot Air Control Unit
- 1 TE-TB Precision Heater Hose Set for JTSE-UA
- 1 Extractor Desk, composition:
 - 1 E2052 Extractor 20 x 20 mm
 - 1 E2064 Extractor 20 x 26 mm
 - 1 E2184 Extractor 24 x 24 mm
 - 1 P2220 Protector 10 x 10 mm
 - 1 P2235 Protector 12 x 17 mm
 - 1 P4000 Protector 12.4 x 12.5 mm
 - 1 P2230 Protector 15 x 15 mm
 - 1 P4010 Protector 17 x 17 mm
 - 1 T2050 Tripod ø39 mm
 - 1 T2250 Tripod ø85 mm
- 1 TN9209 Nozzle for TE heater
- 1 TN9208 Nozzle for TE heater
- 1 TN9080 Nozzle for TE heater
- 1 TE-SE Stand for TE heater
- 1 PH218 Thermocouple Type K

SPECIFICATIONS

Selectable Temperature	150 to 450 °C (300-840 °F)
Air flow	2 to 17 SLPM
Temperature profiles:	Design specific thermal profiles to avoid thermal shock during soldering processes. Up to 25 fully configurable soldering profiles can be stored.
Operating modes	Heating / Profiles / Cooling
Vacuum	30% / 228 mmHg / 9 inHg

CONNECTIVITY

Type K thermocouple:	Can be used both for Control and Protection purposes.
USB-B (rear)	Software PC

REFERENCES

Without extractor desk:

- TESE-1QA 100-120 V
- TESE-2QA 230 V

PRODUCT COMPOSITION

- 1 Hot Air Control Unit
- 1 TE-TB Precision Heater Hose Set for JTSE-UA
- 1 TN9209 Nozzle for TE heater
- 1 TN9208 Nozzle for TE heater
- 1 TN9080 Nozzle for TE heater
- 1 TE-SE Stand for TE heater
- 1 PH218 Thermocouple Type K

SPECIFICATIONS

Selectable Temperature	150 to 450 °C (300-840 °F)
Air flow	2 to 17 SLPM
Temperature profiles:	Design specific thermal profiles to avoid thermal shock during soldering processes. Up to 25 fully configurable soldering profiles can be stored.
Operating modes	Heating / Profiles / Cooling
Vacuum	30% / 228 mmHg / 9 inHg

CONNECTIVITY

Type K thermocouple:	Can be used both for Control and Protection purposes.
USB-B (rear)	Software PC

USB-A (front) Firmware update, Graphics / Profiles management

Robot RS-232 remote control

Pedal Optional tool control

Equipotential bonding Optional connection to EPA

USB-A (front) Firmware update, Graphics / Profiles management

Robot RS-232 remote control

Pedal Optional tool control

Equipotential bonding Optional connection to EPA

ESD/EOS
ESD safe

ESD/EOS
ESD safe

POWER SUPPLY

Peak power 300 W

Ambient operating temp. 10 to 50 °C / 50 to 120 °F

POWER SUPPLY

Peak power 300 W

Ambient operating temp. 10 to 50 °C / 50 to 120 °F

DIMENSIONS AND WEIGHT

Premium Stations 230 x 148 x 160 mm / 4.72 kg.
9.06 x 5.83 x 6.30 in / 10.41 lb.

Package 474 x 368 x 195 mm / 5.69 kg.
18.66 x 14.49 x 7.68 in / 12.54 lb.

DIMENSIONS AND WEIGHT

Premium Stations 230 x 148 x 160 mm / 4.72 kg.
9.06 x 5.83 x 6.30 in / 10.41 lb.

Package 474 x 368 x 195 mm / 5.69 kg.
18.66 x 14.49 x 7.68 in / 12.54 lb.

CONNECTABLES



RWB-B

Adjustable Rework Arm for PHB (Base 480x550 mm)



RWS-D

Adjustable Rework Arm for PHS (Base 270x410 mm)



RWT-B

Adjustable Rework Arm (w/o Base)

Accessories



P-005

Pedal



P-405

Pedal for Nano Rework Station



PROTECTORS Protectors for desoldering jobs



EXTRACTORS Extractors for desoldering jobs



TRIPODS Tripods for desoldering jobs



T260-A

Pick & Place



TE NOZZLES for TE heater

Consumables

HEATING
ELEMENTS

for Hot Air